

Math

Fractions- Batteries

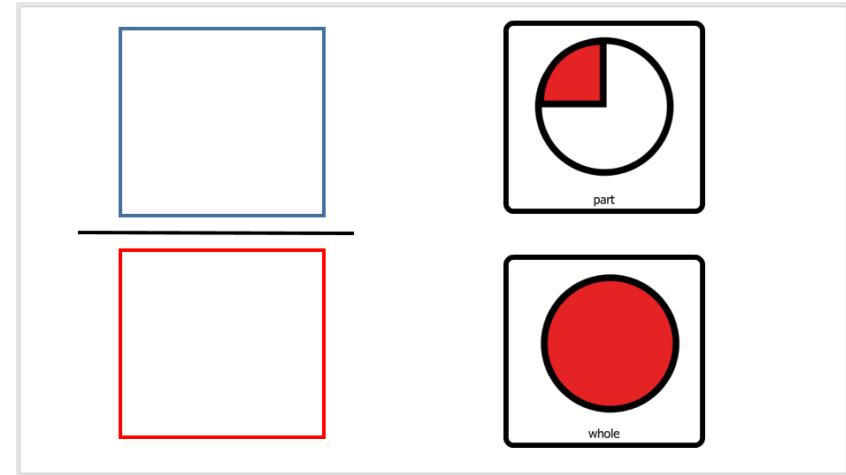


Today in math we will be using batteries make fractions. Here are some pictures of what we will be doing today.

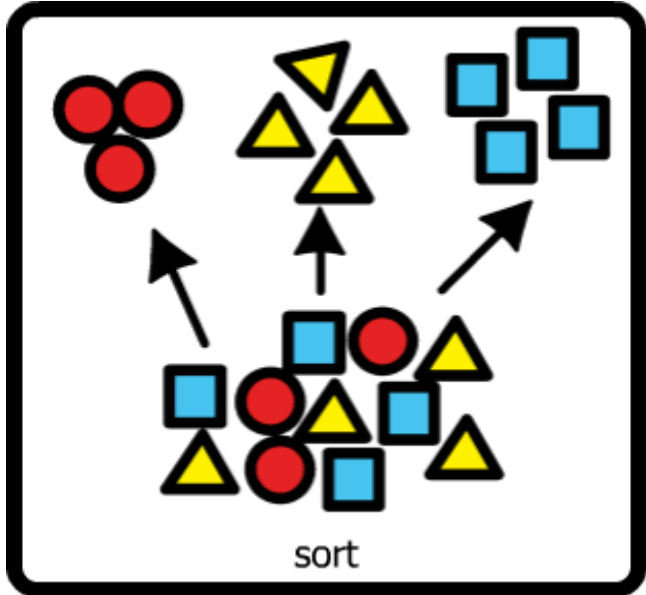
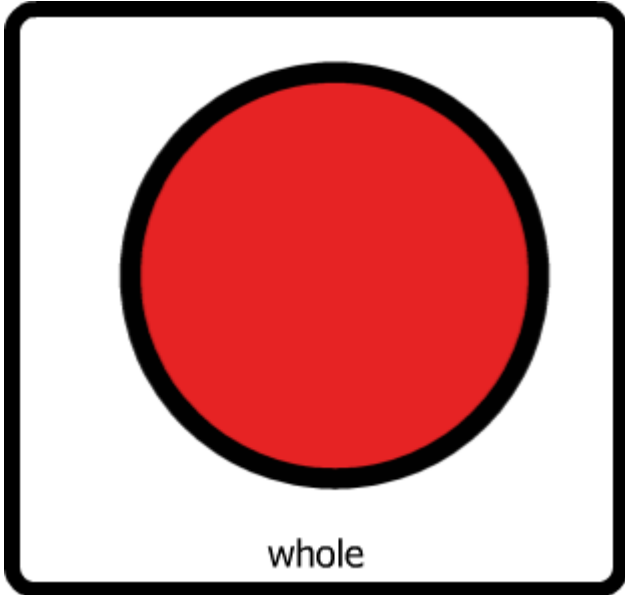
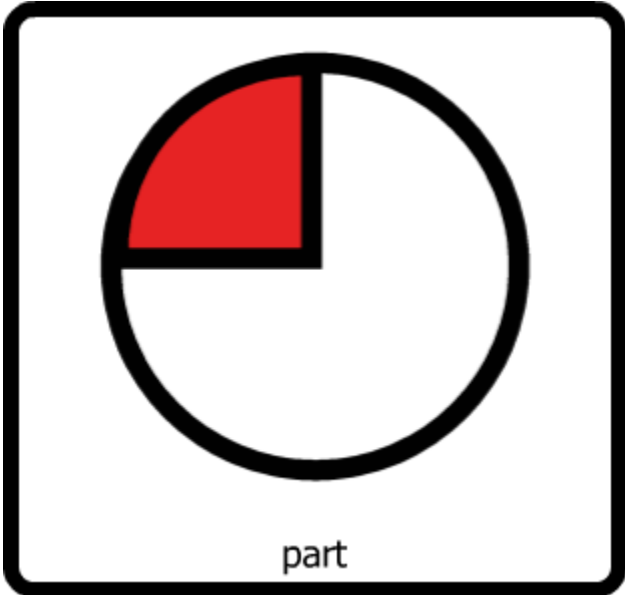


The materials needed for this lesson are...

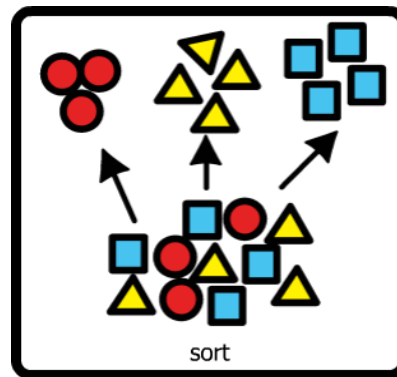
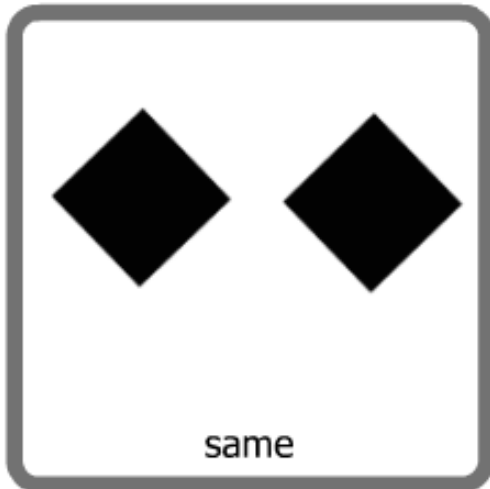
- Dry erase markers
- Fraction templates (6 laminated)
- 3 bins
- Big/small labels for bins
- Batteries (around 10- assorted small and big)



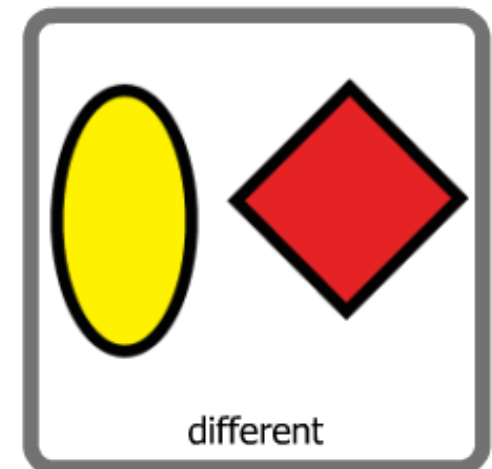
The vocabulary for today's lesson is....



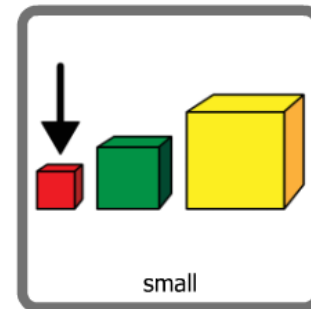
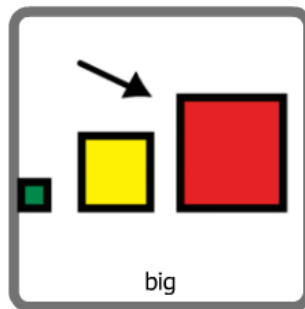
Batteries can look the same or different.
When we sort objects, we match the same.



Let's do a few practice sorting a few batteries.



Some of the batteries are big and some are small. Let's look at each size next to its matching picture on a lightbox, feltboard, or lap tray. Which one is big and which one is small?



Have students sort a few more “big” and “small” batteries into bins and ask them to identify which one it is

We are going to sort batteries and use the numbers to make fractions.

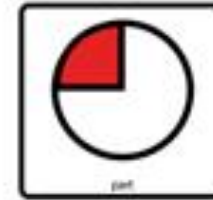
$$\frac{1}{2}$$

←

←

Part

Whole



EXTRA: A fraction can also be shown as a decimal. The fraction 4 out of 10, $4/10$ can also be written as 0.4. This is similar to how money can be written such as 40 cents out of a dollar is equal to \$0.40.



Activity: Battery Fractions

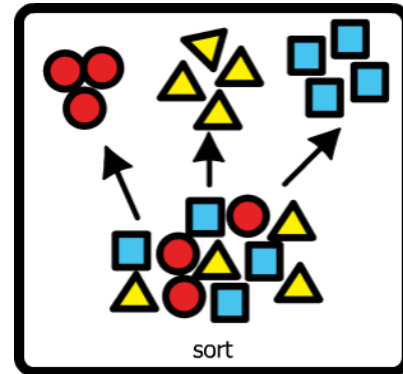
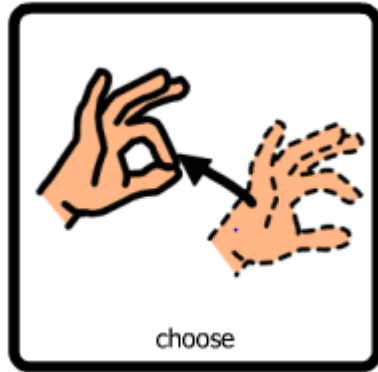
2/4



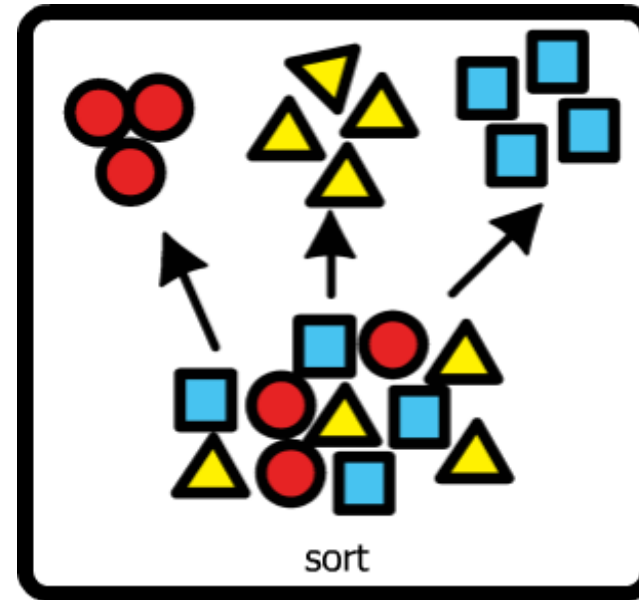
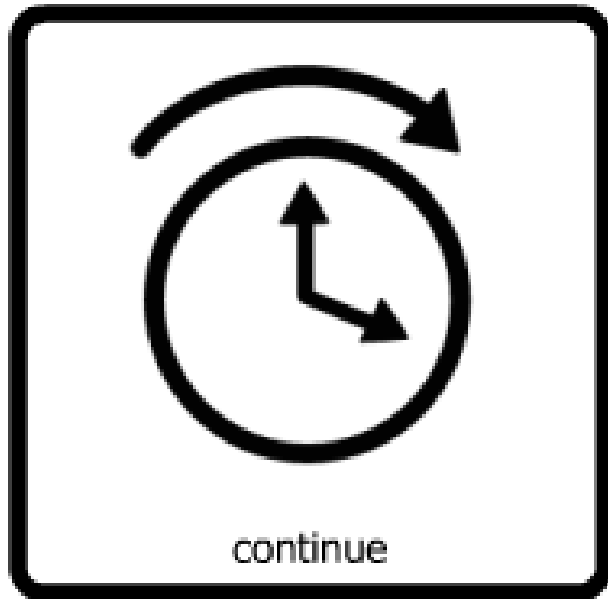
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Step 1: Pull a battery out and sort it into the correct bin

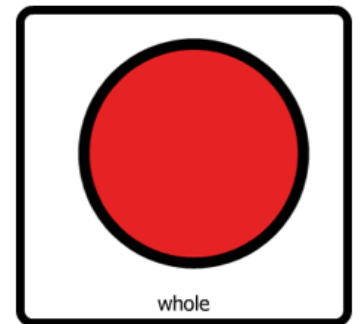
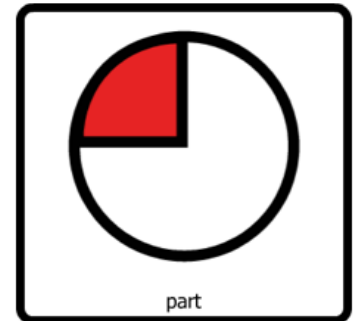
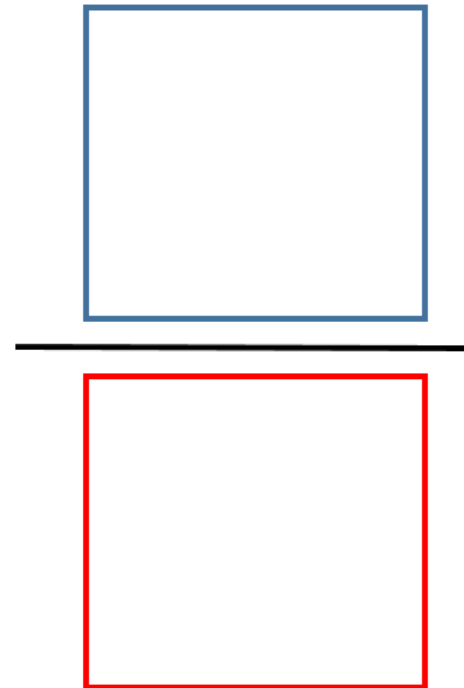
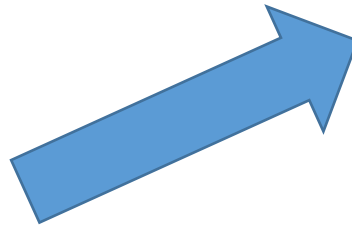
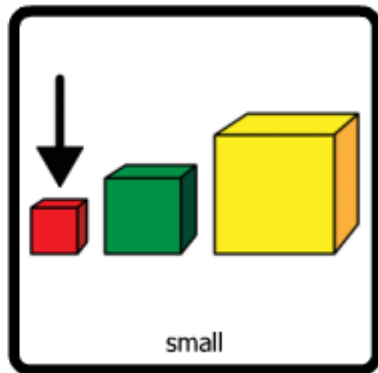


Step 2: Take turns until all of the batteries are sorted.

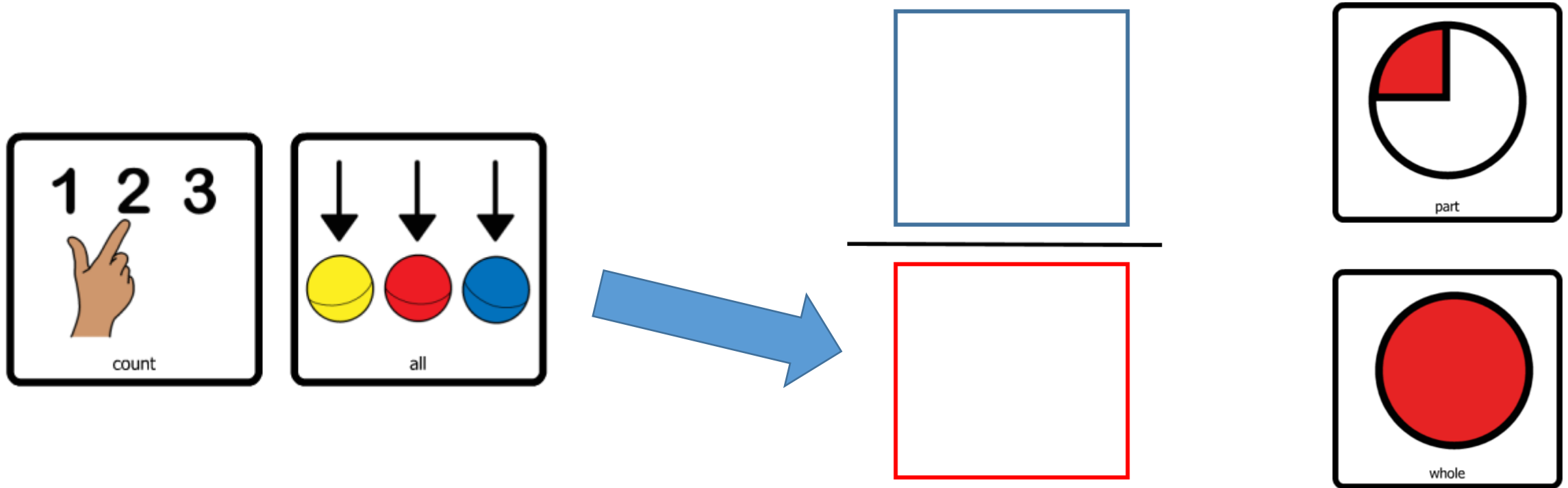


Step 3: Make a fractions!

- Count the number of small batteries and write it on the top of your fraction template. This is our part.



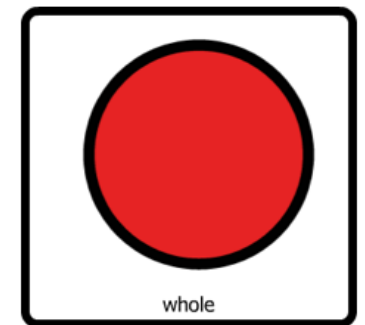
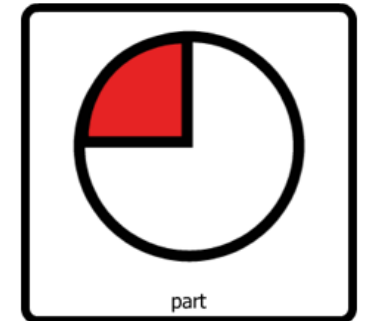
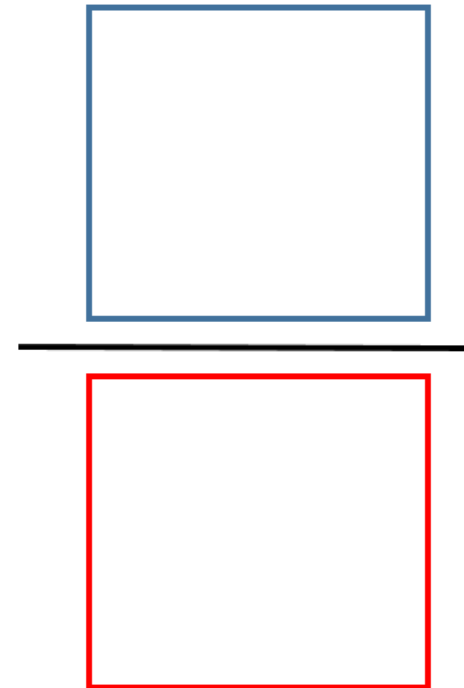
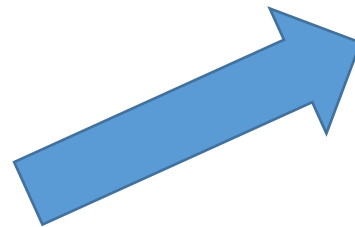
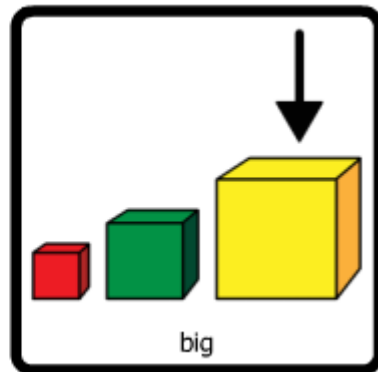
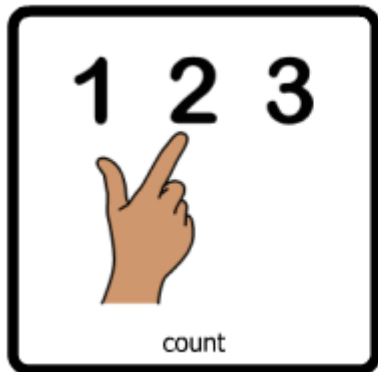
- Count the total number of batteries (big and small) and write it on the bottom of your fraction template. This is our whole.



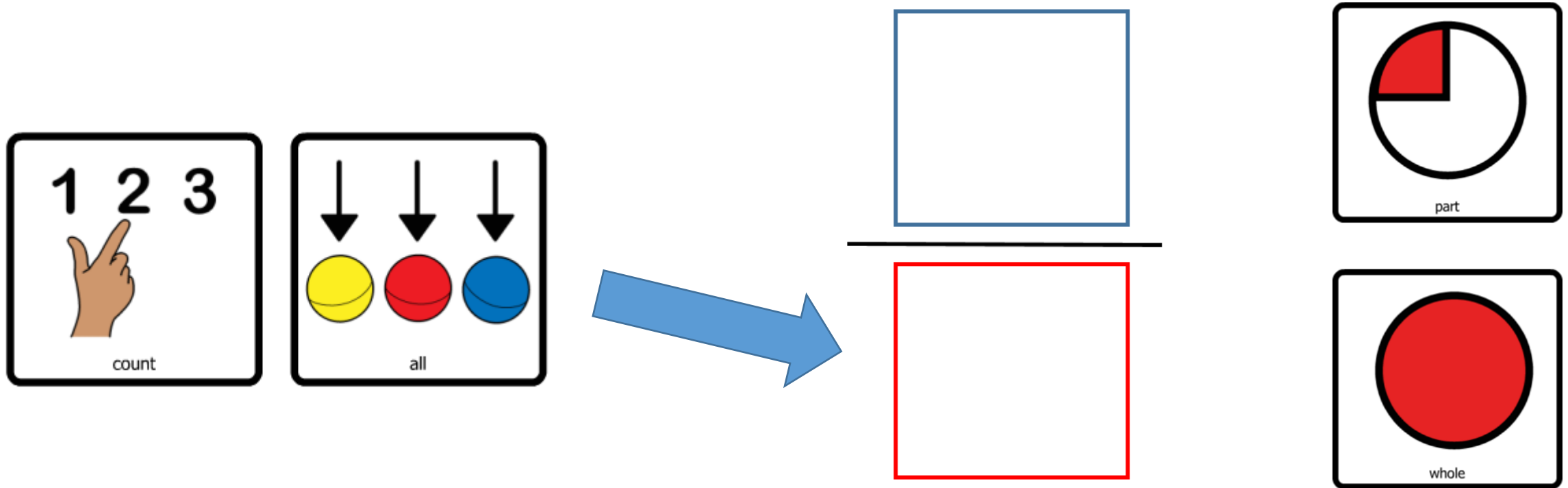
We wrote a fraction for the number of small batteries!

Step 4: Make another fraction!

- Count the number of big batteries and write it on the top of your fraction template. This is our part.

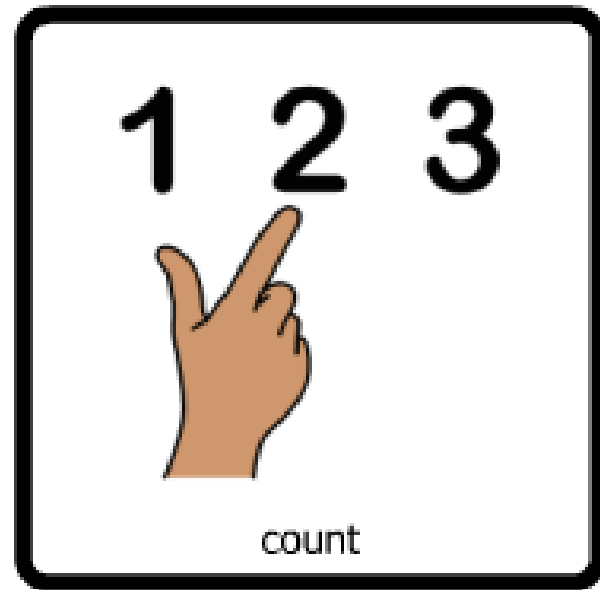
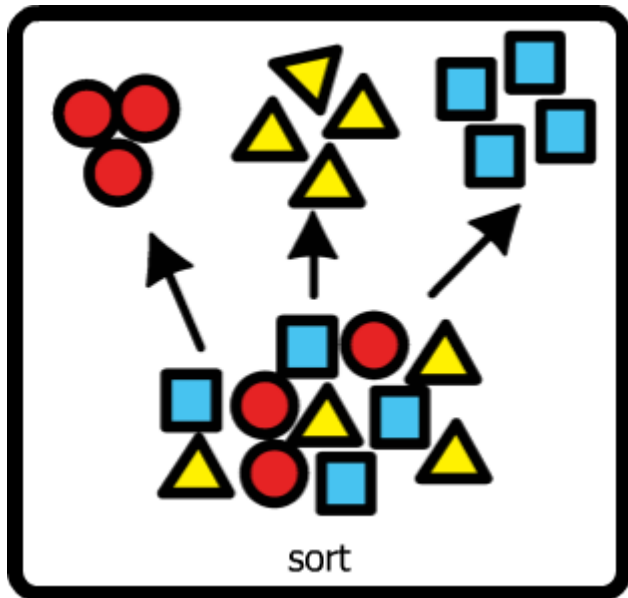


- Count the total number of batteries (big and small) and write it on the bottom of your fraction template. This is our whole.



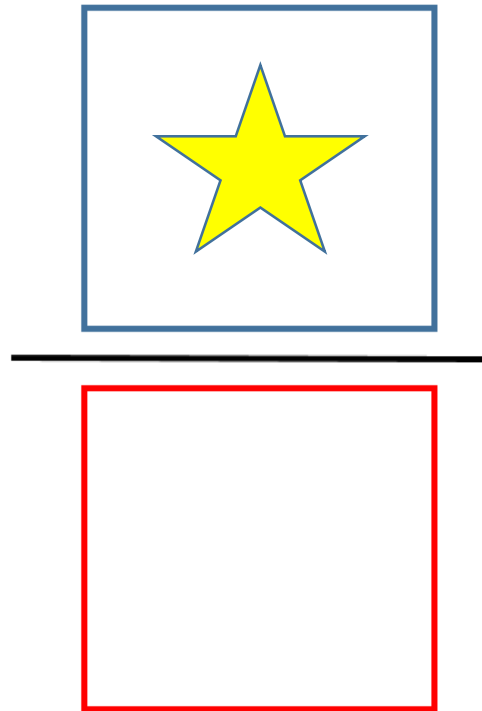
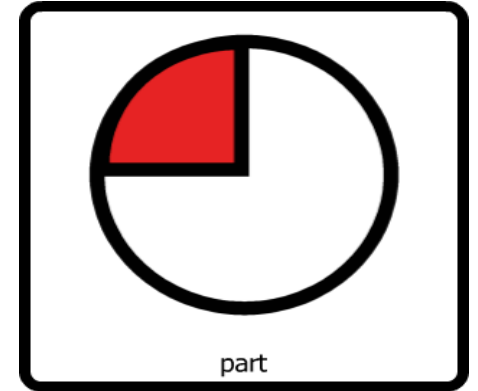
We wrote a fraction for the number of big batteries!

Today in math we sorted and counted batteries to make fractions.

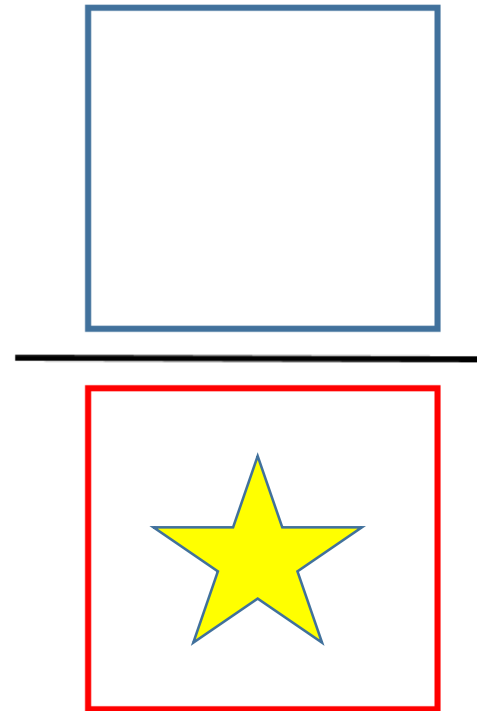


Quiz Questions about today's lesson:

- When writing a fraction, where do you put the part?

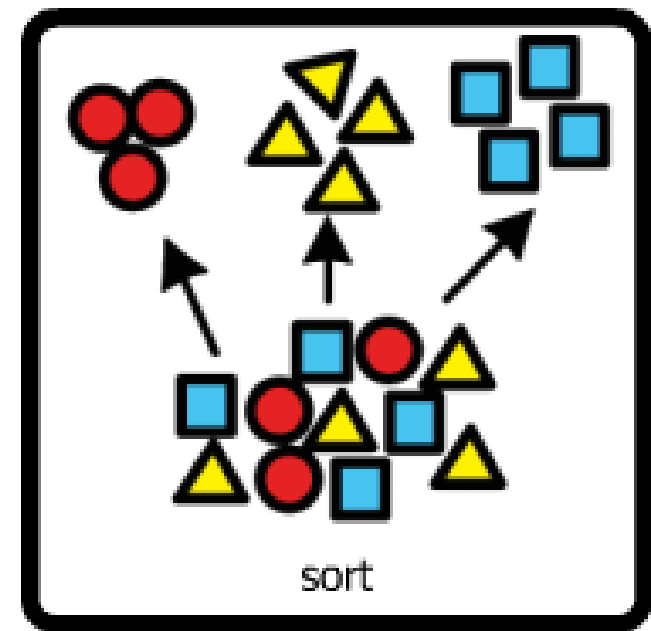
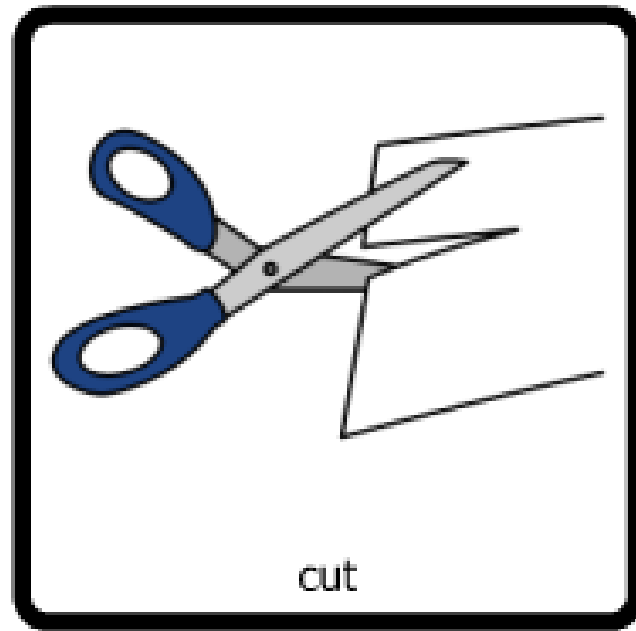
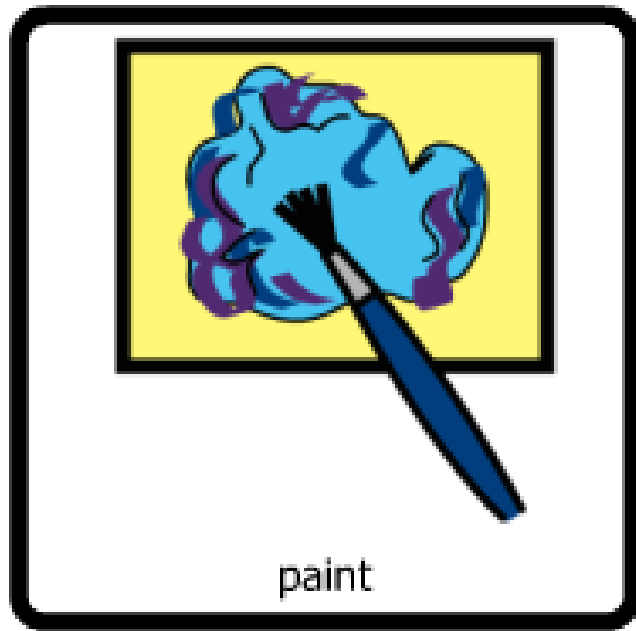


OR



Quiz Questions about today's lesson:

- What did we have to do with the batteries before we counted them?



We are ALL DONE!

- Teacher says “_____ is All Done! Time for _____!”
- Teacher says “Everyone check schedule!”
- Teacher changes the classroom schedule.
- Paras will assist individual students with checking schedules.



